II.   AMENDMENTS TO THE SPECIFICATION

Please accept the amendment to paragraph 0046 as follows:

The next step 58 includes optimizing the floor schedule of the assembly unit based on the sensitivity data of the device during operation of the assembly unit on the floor schedule. In optimizing the floor schedule, the sensitivity data from assembly unit 60 and testing unit 250 is first analyzed ~~throughmodel~~ through model analyzer 28 (FIG. 2) of scheduling optimizer system 10 (FIG. 2). For example, model analyzer 28 (FIG. 2) may analyze a known sensitivity model to estimate a second sensitivity model in the case that the data from the second sensitivity model is incomplete. Then, the floor schedule of assembly unit 60 is optimized with scheduling optimizer 30 (FIG. 2) based on the analyzed data from model analyzer 28 (FIG. 2) of scheduling optimizer system 10 (FIG. 2). That is, scheduling optimizer 30 may generate estimated yield factors for an assembly lot, and depending on the results, change the floor schedule to correspond to the higher assembly lot yield factors. The operation of model analyzer 38 will be described in more detail below relative to FIG. 6.